Work Ord Thursday, Octo												Page 1
Item ID: Revision ID: Item Name:	D4021-7 Hoop			Accept					Setup	Start Stop		
Start Date: Required Date: Reference:	10/21/2010 : 10/28/2010	Start Qty: 6.00 Req'd Qty: 6.00	1 10 0 11 1 10 11 1 10 11 1 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Cust Item I	ID:					I HEBISHEI K	1919 III (191 IST)
Approvals:	Process Pla	nn:	Date(0-(0-)	Tooling: SPC (Y/N):		ate:			Run	Start Stop	, , , , , , , , , , , ,	
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp
Draw Nbr	Rev	ision Nbr										
D4021	B			0.00		- 1A1		MAZ	NOT	-pu	urb.	
Waterjet		Memo		0.00				BI	<u>0-(C</u>	<del>2</del> 6-(		
FLOW CNC Waterj		Cut as per of Prog Rev:_ Dwg Rev:_ Deburr as re	B								6	) Plo=
110		QC2- Inspect parts off n	nachine FAI/FAIB	0.00				ND) (	\ - 10	->6		
QC Quality Control		Memo		0.00			:	Hac	210	-X0		

### **Dart Aerospace Ltd**

W/O:		WORK ORDER CI	HANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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				1.			

Part No: D4021 - 7	_ PAR #: _ \ P	Fault Category:	In Fab	NCR: Yes No	DQA:	Date:	10,1100
- '	,				· 🔾	_	

Resolution: Re-work Disposition: Re-oracle QA: N/C Closed: Date: 10/11/08

NCR: 6	3115	W	ORK OR	DER NON-CONFORMANCE	(NCR)			
5.47-	0755	Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Action Description Sign & Chief Eng Date		Section C	Chief Eng	QC Inspector	
10/10/26	# 100	empoyee Found after his Parts  Are too thick. Susposed to be  .630 +.600 part thickness is to .634638.	MA		10/10/75 AM 10/10/26	S lololal	NP 10/24 NO 10/26	Siskolza
		LC RAW mot is tremoving, 634-6 outplus	36			,		Solulie
						·		

Start Qty: 6.00

Req'd Qty: 6.00



Page 2



Setup Start



**Cust Item ID:** 

Date:

**Required Date: 10/28/2010** Reference:

Start Date:

			_	
$\mathbf{A}$	ppr	ova	ıls:	:

QC:

10/21/2010

Process Plan:

Date: Date:

Tooling:

**SPC (Y/N):** 

**Customer:** 

Date:

Run Start

Stop

Stop



Sequence ID/ Work Center ID

120

Quality Control

Operation Description

QC8- Inspect parts - second check

Memo

Set Up/ **Run Hours** 

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Insp. Number Stamp

130



Small Fab

Memo

1- make radius as per dwg

2- deburr

Memo

0.00

0.00 =7 m/h W/W/23

140



Quality Control

QC5- Inspect part completeness to step on W/O

0.00 Sioliolas.

Dart	Aeros	pace	Ltd
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W/O:	•		WC	RK ORDER CHAN	IGES	i	*		
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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						1			
Part No	•	PAR #:	Fault Cate	gory:	NCR: Yes	No DG	A:	Date: _	
	R	esolution:	Disposition	n:	QA: N/C (	Closed:		Date: _	<del></del>
NCR:			WORK ORDI	ER NON-CONFORM	MANCE (NC	R)			
DATE	STEP	Description of NC	Initial		ection B		cation	Approval	Approval
		Section A	Chief Eng	Action Description Chief Eng	Date		tion C	Chief Eng	QC Inspector
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						i			

#### Work Order ID 63115

Thursday, October 21, 2010 1:04:07 PM



Page 3

Item ID:

D4021-7

Accept



Setup Start



**Revision ID:** 

Item Name:

Hoop

**Start Date:** 10/21/2010 **Required Date: 10/28/2010**  Start Qty: 6.00

Req'd Qty: 6.00



Date: \_\_\_\_\_

**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

QC:

Process Plan:

Date:

**Tooling:** 

Date:

Run Start



SPC (Y/N):

Set Up/

**Run Hours** 

Date:\_

Stop

Stop

Sequence ID/

**Work Center ID** 

150

Packaging

Operation Description

Identify as per dwg & Stock Location:

Memo

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject **Qty** 

Reject Insp.

Number Stamp

Packaging

160

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

#### **Dart Aerospace Ltd**

W/O:			W	ORK ORDER CHANG	GES	·				: ·
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cate	gory:	NCR	: Yes N	o <b>DQ</b>	A:	Date:	
	Re	esolution:	Disposition	n:	QA:	N/C Clos	sed:		Date: _	
NCR:	`	\	WORK ORD	ER NON-CONFORM	ANCE	(NCR)				
DATE	STEP	Description of NC	Initial		ction B	Sign &		ation	Approval	Approval
		Section A	Chief Eng	Action Description Chief Eng		Date	Secti	on C	Chief Eng	QC Inspector
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						* place manufacture in the				
						,				

#### **Picklist Print**

Thursday, October 21, 2010 1:04:10 PM

Work Order ID: 63115

Parent Item:

D4021-7

Parent Item Name: Hoop



**Start Date:** 10/21/2010

**Required Date:** 10/28/2010

Page 1

Start Qty: 6.00

Required Qty: 6.00

Comments:

IPP RevA: new issue DD 09.11.25 verified by:EC IPP Rev:B as per dwg REV.A DD 10.02.22 verified by:EC IPP Rev:C as per dwg revB

DD 10.04.20 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304B0.625X3.000		Purchased	No			100	f	0.9391	0.4166	2.631158	3		
304 BAR 625 X 3 00										B	10-10-	20	

IPP Rev:B as

Location Loc Qty MAT53 0.9391

> 114968 0.9391

Loc Code

114968

Dart Ae	rospace L	td						
W/O:			WC	RK ORDER CHANGE	S			
DATE	STEP	PR	OCEDURE CHA	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	):	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA:	Date: _	<del>, ,</del>
	Res	olution:	Dispositio	n:	QA: N/C CI	osed:	Date: _	
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DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	Sign &	Verification Section C	Approval Chief Eng	Approval QC Inspecto
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DART AEROSPACE LTD	Work Order:	43115
Description: Hoop	Part Number:	D4021-7
Inspection Dwg: D4021 Rev: B		Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

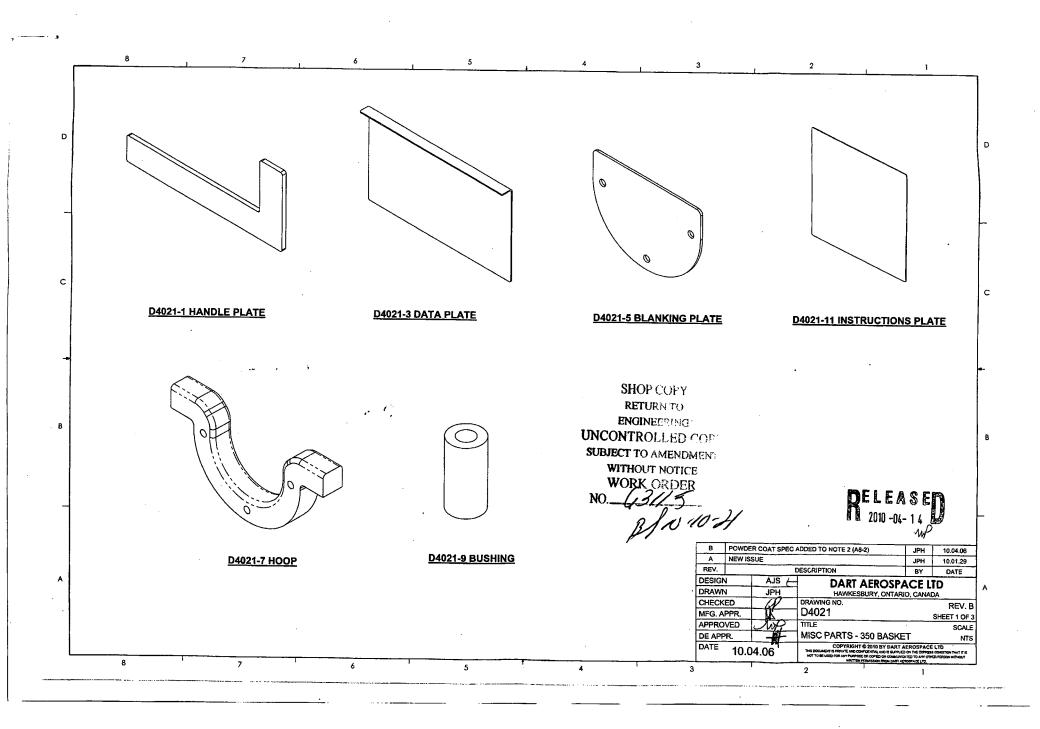
	Tolerance	Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.194	+0.005/-0.001	.194	A.		V 1802	
1.38	+/-0.030	1363	<b>%</b>		V	
2.25	+/-0.030	2.251	7		V	
5.00	+/-0.030	4.992	×		J	
0.813	+/-0.010	,811	X		V	
2.500	+/-0.010	7.503	xk		Ŭ .	
2.56	+/-0.030	2.553	&		V	
0.63	+0.000/-0.050	<i></i>			V	sephon Pay #2

Measured by:		Audited by:	8	Preliminary Approval:	N/A
Date: (0- (	0-26	Date:	10/10/27	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	10.04.01	New Issue	KJ	
В	10.08.18	Dimensions revised per Dwg Rev B	KJ K	
				1

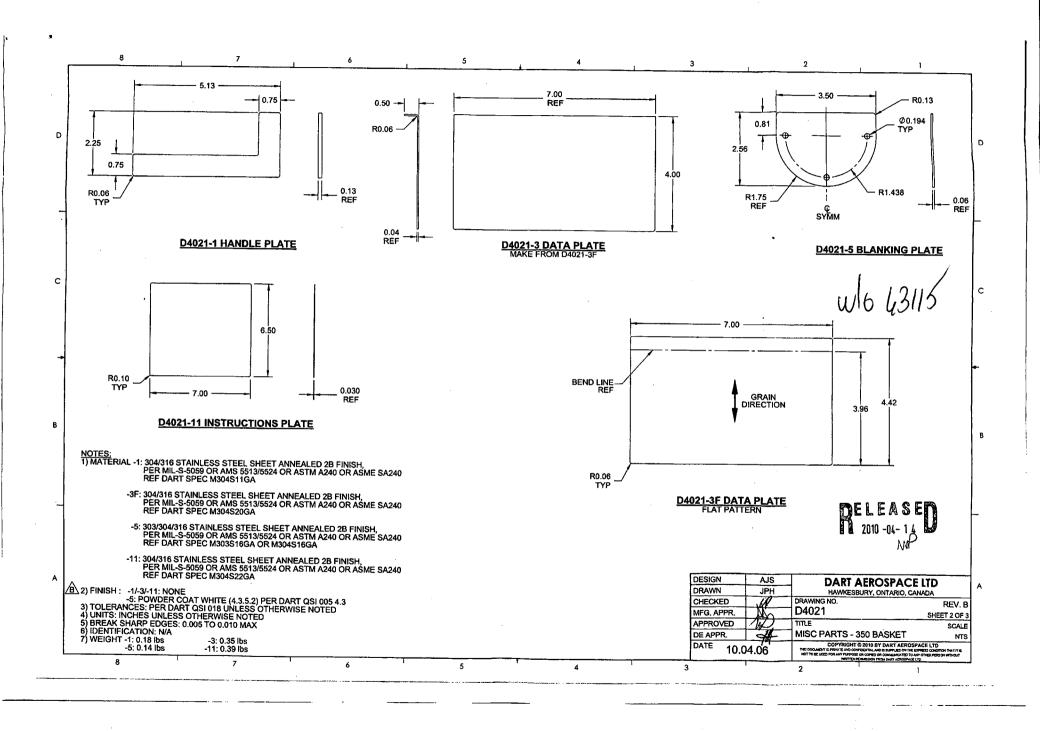
## **Dart Aerospace Ltd**

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Resolution:								
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W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE				Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
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D Ø0.191 --- Ø0.38 5.00 R0.50 4 PL R0.10 2 PL 0.63+0.00 0.813 R1.125 REF 2.56 Ø0.194 REF 0.75 R1.438 R1.75 0.63+0.00 **D4021-9 BUSHING** 2.500 **D4021-7 HOOP** 

MP

DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWN JPH CHECKED DRAWING NO. REV. B D4021 MFG. APPR. SHEET 3 OF 3 APPROVED TILE MISC PARTS - 350 BASKET DE APPR. DATE COPYRIGHT @ 2010 BY DART AEROSPACE LTD 10.04.06

NOTES: 1) MATERIAL-7: 304/316 STAINLESS STEEL BAR, PER ASTM A276 REF DART SPEC M304B

-9: 304/316 STAINLESS STEEL ROUND BAR, PER ASTM A276
REF DART SPEC M304R
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT -7: 0.80 Ibs
-9: 0.02 Ibs

7

Dart Aerospace L	Ltd
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W/O:		WORK ORDER CHANGES										
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NCR:		W	ORK OR	DER NON-CONFORM	ANCE (N	CR)	I					
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